



ENGINE - POWER PLANT - HOLD-OPEN ROD FITTINGS REPLACEMENT OF - CATEGORY CODE 4 -  
MOD.ENG-72-0107

NOTE: This Service Bulletin must be incorporated concurrently with Service Bulletin V2500-NAC-78-0001.

1. Planning Information

A. Effectivity

- (1) Airplane: Airbus A320
- (2) Engine: V2500-A1 engines prior to Serial Number V0081, as delivered.

B. Reason

(1) Condition

When the thrust reverser halves are open in conditions with wind speeds greater than 45 knots (50 mph) there is a possibility of the hold-open rods disengaging.

(2) Background

The hold-open rods currently specified lack the tension necessary to ensure the thrust reverser halves are retained in the open position in high wind conditions.

(3) Objective

Provide new fittings to accommodate the new hold-open rods which will maintain the necessary engagement tension in 65 knot (75 mph) winds.

NOTE: The new hold-open rods are installed in SB V2500-NAC-78-0001.

(4) Substantiation

This modification has been shown to be effective in laboratory tests and engineering analysis.

(5) Impact of Bulletin on Workshop Procedures:

V2500-ENG-72-0107



## SERVICE BULLETIN

Removal/Installation	Not Affected
Disassembly/Assembly	Not Affected
Cleaning	Not Affected
Inspection/Check	Not Affected
Repair	Not Affected
Testing	Not Affected

## (6) Supplemental Information

This Service Bulletin must be incorporated concurrently with Service Bulletin V2500-NAC-78-0001.

C. Description

The change introduced by this Service Bulletin is as follows:

Replace the aft hold-open rod fittings, installed on the engine turbine case.

NOTE: The forward hold-open rod fittings and the thrust reverser-mounted hold-open rods are replaced on IAE Service Bulletin V2500-NAC-78-0001.

D. Approval

The part number changes and/or part modifications described in paragraphs 2 and 3 of this Service Bulletin have been shown to comply with the applicable Federal Aviation Regulations and are FAA approved for the equipment model(s) listed.

E. Compliance

Category 4

Accomplish at the first visit of the engine or components to a maintenance base capable of compliance with the accomplishment instructions regardless of the planned maintenance action for the engine or component.

F. Manpower

Estimated Manhours to incorporate the full intent of this Bulletin:

VENUE	ESTIMATED MANHOURS
(1) In Service	
(a) To gain access	0.2 M/Hrs
(b) To embody	0.3 M/Hrs
(c) To return Nacelle to service	0.2 M/Hrs
Total	0.7 M/Hrs

V2500-ENG-72-0107



# SERVICE BULLETIN

## G. Material - Cost and Availability

The parts to accomplish this Service Bulletin are available from the manufacturer as Kit No. V2578001-555.

Operators with units listed in Paragraph 1.A should submit a no-charge purchase order for the applicable quantity of Kits. The purchase order must specify this service bulletin number and only the parts listed herein. Delivery schedules will be furnished to operators upon receipt of their written request.

Direct purchase order to:

Rohr Inc.  
660 Bay Blvd  
Chula Vista, CA 91912-0878 USA  
Attn: Customer Support Manager, Bldg. 850A  
(Service Bulletin No. V2500-NAC-71-0129)

## H. Tooling - Cost and Availability

None Required

## I. Weight and Balance

- (1) Weight change ..... None
- (2) Moment arm ..... No effect
- (3) Datum ..... Engine Front Mount Centerline  
..... (Power plant Station PPS 100.00)

## J. Electrical Load Data

Not Affected.

## K. References

- (1) Internal Reference No.  
88VN056B
- (2) Other References  
A320 Aircraft Maintenance Manual 78-32-00

V2500-ENG-72-0107



International Aero Engines

## SERVICE BULLETIN

### L. Other Publications Affected

V2500 Engine Illustrated Parts Catalog 72-50-00  
72-51-00

NOTE: This Service Bulletin must be incorporated concurrently with Service Bulletin V2500-NAC-78-0001.

Printed in Great Britain

# V2500-ENG-72-0107

Jun.23/92

Page 4



## 2. Accomplishment Instructions

### A. Prerequisite Instructions

**WARNING:** ENSURE THAT THE THRUST REVERSER HALVES ARE PROPERLY SUPPORTED BEFORE THE START OF THIS PROCEDURE. FAILURE TO DO SO COULD RESULT IN INJURY OR DEATH TO PERSONNEL.

- (1) Open left and right thrust reverser halves with instructions in the A320 Aircraft Maintenance Manual, Task 78-32-00-010-010.

### B. Rework or Modification Instructions

- (1) Remove the bolts which attach hold-open rod fittings from the left and right side of the turbine case. Keep the bolts, discard the fittings. Refer to A320/V2500 Engine IPC, Chapter 72-50-00, and 72-50-01, Figure 01, Items 102 and 112.
- (2) Attach 740-0508-503 aft hold-open rod fittings to the left and right hand side of the low pressure turbine case with 4W0590 bolts (removed in step (2)). Torque bolts to 85-95 lb-in (9.6-10.7 N.m).

### C. Post-requisite Instructions

- (1) Close thrust reverser halves with instructions in the A320 Aircraft Maintenance Manual, Task 78-32-00-410-010.
- (2) A record of accomplishment is required.



## SERVICE BULLETIN

3. Material Information

NEW PART NO (ATA NO)	QTY	EST'D UNIT PRICE (\$)	KEYWORD	OLD PART NO (IPC NO)	INSTR/ DISPOS
----------------------------	-----	-----------------------------	---------	----------------------------	------------------

Applicability: For each V2500 Nacelle to incorporate this Bulletin

A. Kits associated with this Bulletin:

V2578001-555 1 Kit (A)  
Consisting of:

740-0508-503 2 Fitting

B. Parts affected by this Bulletin:

740-0508-501 1 (72-50-00)	Fitting	740-0381-505 (C) (01-102) (01-112)
740-0508-503 1 (72-50-00)	Fitting	740-0508-501 (B)(1D)(E)(F)(S1) (01-102) (01-112)
740-0508-501 1 (72-50-00)	Fitting	740-0381-506 (C) (02-102) (02-112)
740-0508-503 1 (72-50-01)	Fitting	740-0508-501 (B)(1D)(E)(F)(S1) (02-102) (02-112)

C. Instruction/Disposition Code Statements

- (A) Kit is available.
- (B) New part is currently available for sale.
- (C) New part replaces Old part and is replaced by parts coded (E).
- (1D) Part deleted.
- (E) New part replaces parts coded (C).
- (F) New part supplied as a detail of the kit.
- (S1) New parts coded S1 must replace old parts coded S1 as a complete set.

V2500-ENG-72-0107